Name(s) of Risk Team Members: A. Etkin, Andrew Burrill				Point Value → Parameter ↓			1			2 3		4			5			
Job Title: Alignment of Class IV Laser Job Number or Job Identifier: JRA 8-05			Frequen (B)	Frequency (B)			≤once/year			≤once/month	nonth ≤once/week		≤once/shift			>once/shift		
Job Description: The job consists of securing the area where the laser resides, aligning the laser and confirming the alignment.				Severity (C)			First Aid Only			Tedical Treatment Lost Time		Partial Disability			Death or Permanent Disability			
Training and Procedures List (optional): Laser SOP: C-A 939-2 and C-A 939-			Likeliho	Likelihood			Extremely Unlikely			Unlikely Possible		Probable			Multiple			
Approved by: E. Lessard Date: 4/27/05 Rev. #: 0			(D)	, , ,			,		Ž						·			
Stressors (if applicable, please list all): Reason for Revision (if applicable):																		
		Before Additional Con								After Additiona				al Co	ıl Controls			
Job Step / Task	Hazard	Control(s)		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Ad	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction	
Turn on HeNe alignment laser inside laser room	Temporary vision problem, Class 3a laser	Laser is registered with BNL, relaser of any power at anybody, beam above or below eye level reflectant surfaces from near the beam stop at the end of its usef laser beam using an optical instellowest power rating practical, the with an appropriate sign	operate lasers with , remove necessary e beam path, use a ful path, never view a trument, always use	N	1	3	1	2	6									
In the laser room, position mirrors for alignment to gun	Temporary vision problem, Class 3a laser	Laser is registered with BNL, r laser of any power at anybody, beam above or below eye level reflectant surfaces from near th beam stop at the end of its usef laser beam using an optical inst lowest power rating practical, t with an appropriate sign	operate lasers with , remove necessary e beam path, use a ful path, never view a trument, always use	N	1	3	1	2	6									
Open the beam path to the Experimental Hall and enter Experimental Hall and complete alignment to gun using HeNe laser	Temporary vision problem, Class 3 a laser	Area is swept and reset as a prevents unauthorized entry laser is registered with BNL, no laser of any power at anybody, beam above or below eye level reflectant surfaces from near th beam stop at the end of its usef laser beam using an optical inst lowest power rating practical, t with an appropriate sign	during alignment), ever point or aim a operate lasers with , remove necessary e beam path, use a ful path, never view a trument, always use	N	1	3	1	2	6									

Put on eyewear and reset interlock in laser room and open shutter to main laser	Burn, eye damage, loss of sight, Class IV laser	Protective eyewear, beam enclosures, door interlock, beam stop, key controls, emission delay, training, work planning, area is posted, written SOP is used	N	1	3	4	2	24				
Align U/V laser with HeNe laser using a white business card or equivalent	Burn, eye damage, loss of sight	Protective eyewear, beam enclosures, beam stop, door interlock, key controls, emission delay, training, work planning, area is posted, written SOP is used	N	1	3	4	2	24				
Confirm alignment at "gun" in experimental hall – checking all points with a white business card or equivalent	Burn, eye damage, loss of sight	Protective eyewear, beam enclosures, beam stop, door interlock, key controls, emission delay, training, work planning, area is posted, written SOP is used	N	1	3	4	2	24				
Further Description of Contro	ols Added to Redu	ce Risk:										

41-60

Moderate

61 to 80

Substantial

81 or greater

Intolerable

0 to 20

Negligible

*Risk:

21 to 40

Acceptable